

# STAR PROGRAMME 2018

All meetings at 2-00pm in the Keyworth Methodist Church

## Monday 4th June 2018:

**Adam Dury** - A Meteorologist from the *WeatherQuest Team in Norwich* – will be giving us a talk called “*Weather Forecasting in the Digital Age*”

From past to present, how the procedure and products of weather forecasting has changed over the past 30 years. Learn about the range of products supplied and a brief look into the physics of some weather systems that affect Britain.

## Monday 2nd July 2018:

**Julian Holland** - Chairman of *The East Midlands Group of the British Dowsers Society* will be giving us a talk about the *Art of Dowsing*.

He will explain how he became a dowser and he will tell us some anecdotes regarding the sort of work he has done in this role.

Something slightly different from our normal scope of Science & Technology.

## Monday 6th August 2018:

**Clive Mitchell** – Industrial Minerals Specialist at *British Geological Survey* will be giving us a talk called “*Sand, It’s in the sand...*”

Sand is sand isn't it? Sand gets everywhere but rather than a nuisance it is a valuable, high-purity raw material that makes, amongst other things, the pint glass in your hand at the bar !

Clive Mitchell, Industrial Minerals Specialist at the British Geological Survey, will be our guide on the gritty path from identifying exactly what sand is, getting it out of the ground and making it useful in foundries and fillers, to football pitches and fracking.

## Monday 3rd September 2018:

**Julian Onions** – Will be giving us a talk called “*Galaxies – One Gigayear at a time*”

Quote from Julian, “What are galaxies, how are they classified, how are they formed, what do we understand about their lives, and how many pretty pictures can I fit in one talk.”

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## **Monday 1<sup>st</sup> October 2018:**

**Matt Horstwood – Will be giving a talk with the Title *Was Zimbabwe once joined to Australia?***

**- Determining the composition and relations of Earth's Oldest Crust.**

The geochemistry and age of rocks are used to discover the origin of the oldest components of the Earth and understand how the Earth has been put together. We will discuss how tiny pieces of mineral grains are sampled using lasers and analysed by highly sensitive instrumentation and how this has led to suggestions linking ancient rocks in Zimbabwe and Australia as once being formed together.

## **Monday 5<sup>th</sup> November 2018:**

**Professor Neil Thomas - *Professor of Medicinal & Biological Chemistry (School of Chemistry) University of Nottingham* – will give a lecture called *Something old, Something new: Silicones and spider silk***

This will cover the development of silicone polymers by Frederic Stanley Kipping FRS (1863-1949) – **1<sup>st</sup> Jesse Boot Professor of Chemistry at Nottingham.**

He will briefly include his Department's own work on spider silk and protein nanoparticles in biomedical applications at the end.